

## Freeform Search

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Term:

L1 and divergen\$

Display:  Documents in Display Format:  Starting with Number Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

### Search History

DATE: Thursday, October 11, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L2</u>	L1 and divergen\$	42	<u>L2</u>
<u>L1</u>	resynchroniz\$ and database\$ and (copies or copy) and history and log and fail\$ and sequen\$	539	<u>L1</u>

END OF SEARCH HISTORY

[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) | [Cart](#)

Welcome United States Patent and Trademark Office

[Search Results](#)[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Results for "((resynchroniz\* and (copy or copies) and log record\* and history and fail\* and sequen\*)<in>met..." [e-mail](#)Your search matched **0** documents.A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

## » Search Options

[View Session History](#)[New Search](#)

## Modify Search

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance.

Indexed by

[Help](#) [Contact Us](#) [Privacy & Policy](#)

© Copyright 2006 IEEE – All Rights Reserved



[Subscribe](#) (Full Service) [Register](#) (Limited Service, Free) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide

+resynchroniz\* +and +copies\* +and +database\* +and +log +record fail...

**SEARCH**



[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Published before June 2003

Terms used:

Found 11 of 143,947

**resynchroniz** and **copies** and **database** and **log record fail** and **sequen** and **history**

Sort results  
by

relevance ☒

[Save results to a Binder](#)

Try an [Advanced Search](#)

Display  
results

expanded form ☒

[Search Tips](#)

Try this search in [The ACM Guide](#)

☐ Open results in a new  
window

Results 1 - 11 of 11

Relevance scale ☐ ☐ ☐ ☐ ☐

### 1 [File servers for network-based distributed systems](#)



Liba Svobodova

December 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 4

**Publisher:** ACM Press

Full text available: pdf(4.23 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#),  
[review](#)

### 2 [The evolution of Coda](#)



M. Satyanarayanan

May 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 2

**Publisher:** ACM Press

Full text available: pdf(441.35 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Failure-resilient, scalable, and secure read-write access to shared information by mobile and static users over wireless and wired networks is a fundamental computing challenge. In this article, we describe how the Coda file system has evolved to meet this challenge through the development of mechanisms for server replication, disconnected operation, adaptive use of weak connectivity, isolation-only transactions, translucent caching, and opportunistic exploitation of hardware surrogates. For eac ...

**Keywords:** Adaptation, Linux, UNIX, Windows, caching, conflict resolution, continuous data access, data staging, disaster recovery, disconnected operation, failure, high availability, hoarding, intermittent networks, isolation-only transactions, low-bandwidth networks, mobile computing, optimistic replica control, server replication, translucent cache management, weakly connected operation

### 3 [Data compression](#)



Debra A. Lelewer, Daniel S. Hirschberg

September 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 3

**Publisher:** ACM Press

Full text available: pdf(3.61 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper surveys a variety of data compression methods spanning almost 40 years of research, from the work of Shannon, Fano, and Huffman in the late 1940s to a technique developed in 1986. The aim of data compression is to reduce redundancy in stored or communicated data, thus increasing effective data density. Data compression has important application in the areas of file storage and distributed systems. Concepts from information theory as they relate to the goals and evaluation of data ...

#### 4 Cryptography and data security

Dorothy Elizabeth Robling Denning  
January 1982 Book

**Publisher:** Addison-Wesley Longman Publishing Co., Inc.

Full text available:  pdf(19.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

##### **From the Preface (See Front Matter for full Preface)**

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

#### 5 The process group approach to reliable distributed computing



Kenneth P. Birman  
December 1993 **Communications of the ACM**, Volume 36 Issue 12

**Publisher:** ACM Press

Full text available:  pdf(6.00 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** fault-tolerant process groups, message ordering, multicast communication

#### 6 Disconnected operation in the Coda File System



James J. Kistler, M. Satyanarayanan  
February 1992 **ACM Transactions on Computer Systems (TOCS)**, Volume 10 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(1.59 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Disconnected operation is a mode of operation that enables a client to continue accessing critical data during temporary failures of a shared data repository. An important, though not exclusive, application of disconnected operation is in supporting portable computers. In this paper, we show that disconnected operation is feasible, efficient and usable by describing its design and implementation in the Coda File System. The central idea behind our work is that cachi ...


**Keywords:** disconnected operation, hoarding, optimistic replication, reintegration, second-class replication, server emulation

#### 7 Encryption and Secure Computer Networks



Gerald J. Pópek, Charles S. Kline  
December 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(2.50 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 8 Engineering web cache consistency



Jian Yin, Lorenzo Alvisi, Mike Dahlin, Arun Iyengar

August 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(403.96 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Server-driven consistency protocols can reduce read latency and improve data freshness for a given network and server overhead, compared to the traditional consistency protocols that rely on client polling. Server-driven consistency protocols appear particularly attractive for large-scale dynamic Web workloads because dynamically generated data can change rapidly and unpredictably. However, there have been few reports on engineering server-driven consistency for such workloads. This article repo ...

**Keywords:** Cache coherence, cache consistency, dynamic content, lease, scalability, volume

## 9 OTP in server farms



Michael Bruening, Hal Snyder, Martin Logan

October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Erlang ERLANG '02**

**Publisher:** ACM Press

Full text available:  pdf(94.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Ericsson's OTP (Open Telecom Platform) offers a number of attractive features if you want to provide a variety of information services on a network with high availability, scalability, and extensibility. However, the major uses of OTP have been in closed, relay-rack systems, rather than in clusters of general-purpose servers. We describe issues we encountered while bringing up applications on OTP in the latter environment at a computer telephony company.

**Keywords:** erlang, functional programming


## 10 Transaction processing in PRO-MOTION



Gary D. Walborn, Panos K. Chrysanthis

February 1999 **Proceedings of the 1999 ACM symposium on Applied computing SAC '99**

**Publisher:** ACM Press

Full text available:  pdf(1.28 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** commit processing, data caching, disconnected database operations, mobile transactions

## 11 Coven: brewing better collaboration through software configuration management




Mark C. Chu-Carroll, Sara Sprenkle

November 2000 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th ACM SIGSOFT international symposium on Foundations of software engineering: twenty-first century applications SIGSOFT '00/FSE-8,**

Volume 25 Issue 6

**Publisher:** ACM Press

Full text available:  pdf(1.14 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Our work focuses on building tools to support collaborative software development. We are building a new programming environment with integrated software configuration management which provides a variety of features to help programming teams coordinate their work.

In this paper, we detail a hierarchy-based software configuration management system called *Coven*, which acts as a collaborative medium for allowing teams of programmers to cooperate. By providing a family of inter-relat ...

**Keywords:** collaborative programming

Results 1 - 11 of 11

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)